## **LISTING OF CLAIMS**:

The present listing of claims replaces all prior listings or versions of claims in the present application.

- 1. (Currently Amended) A vacuum thermal insulating valve comprising: characterized by that, with the vacuum thermal insulating valve formed by
  - (a) a valve comprising equipped with a valve body and an actuator; and
- (b) a vacuum thermal insulating box that which houses the said valve, the afore-mentioned-vacuum thermal insulating box comprises

i. a square-shaped lower vacuum jacket equipped with a cylinder-shaped vacuum thermal insulating pipe receiving part on <u>aits</u> side and <del>also with an upper face that which is made open; and</del>

ii. a square-shaped upper vacuum jacket hermetically fitted to thesaid lower vacuum jacket from the above and the square-shaped upper vacuum jacket hasalso with a lower face that which is made open; and the

wall of anthe upper end of the afore-mentioned-lower vacuum jacket toward anthe inside of the box in the shape of a brim, and also the jointed part is formed a second jointed part formed by bending athe center part of athe height direction of the side of the said lower vacuum jacket toward anthe outside of the box in the shape of a brim, and further a thirdthe jointed part is formed by bending anthe inner wall and anthe outer wall of athe lower end of the afore mentioned upper vacuum jacket toward the outside of the box in the shape of a brim, and both vacuum jacket are connected sucheombined in the manner that athe vacuum thermal insulating side wall of the upper vacuum jacket is positioned toward athe vacuum thermal insulating side wall of

the afore-mentioned-lower vacuum jacket, and wherein the thirdto-make the jointed part of the lower end of the afore-mentioned upper vacuum jacket and the second jointed part of the outer wall-side of the lower vacuum jacket are hermetically sealed-eontacted by installing a first thermal insulating material layer, and a fourth-also make the jointed part of formed by anthe inner wall of athe ceiling part of the upper vacuum jacket and first jointed part of the upper end of the lower vacuum jacket is hermetically sealed-eontacted by installing a second thermal insulating material layer.

- 2. (Currently Amended) A vacuum thermal insulating valve as claimed in Claim 1, wherein theis so made that a valve is equipped with a valve unit body is a unit made by a pluralityplural number of valve bodies that are being integrally connected.
- 3. (Currently Amended) A vacuum thermal insulating valve as claimed in Claim 1, wherein is so made that a heater is mounted on thea valve body and thesaid heater is made to be a plane heater fixed faxed to the valve body.
- 4. (Currently Amended) A vacuum thermal insulating valve as claimed in Claim 3+, wherein the plane heater is fixed to an outer surface of the is so constituted that a valve body to which outer surface a plane heater is fixed and the valve body further comprises anwith which inner part comprising a valve seat and a valve seat part are equipped.
- 5. (Currently Amended) A vacuum thermal insulating valve as claimed in Claim 1, wherein each is so made that a thermal insulating material layer comprises is of a silicon sponge.

- 6. (Currently Amended) A vacuum thermal insulating valve as claimed in Claim 1, wherein is so made that the outer wall of the upper vacuum jacket is 2mm thick and the inner wall of the upper vacuum jacket is 1.5mm thick, and the inner wall of the lower vacuum jacket is 2mm thick and athe lower part of theits outer wall of the lower vacuum jacket is 2mm thick and anthe upper part of athe side wall of the outer wall of the lower vacuum jacket is 1.5mm thick, and wherein the inner wall and outer wall of the upper vacuum jacket and the inner wall and outer wall of the lower vacuum jacket and the inner wall and outer wall of the lower vacuum jacket are made of stainless steel.
- 7. (Currently Amended) A vacuum thermal insulating valve as claimed in Claim 1. wherein the is-so-constituted that a vacuum thermal insulating pipe receiving part installed on the side of the lower vacuum jacket is made to be a 50mm to ~150mm long cylinder-shaped vacuum jacket made of a 2mm thick stainless steel plate, and O-rings made of the thermal insulating material are placed on athe peripheral face of one end or both ends of athe tip part of athe vacuum thermal insulating pipe to be inserted into thesaid vacuum thermal insulating pipe receiving part from the outside, and the afore mentioned O-rings made of the thermal insulating material are disposed eaught between the vacuum thermal insulating pipe receiving part and the tip part of the vacuum thermal insulating pipethereof.
- 8. (Currently Amended) A vacuum thermal insulating valve as claimed in Claim 1, wherein is so-constituted that the second jointed parts and third jointed part, in the shape of a brim, are disposed at of the side walls of the lowerupper and upper lower vacuum jackets, respectively, and when combined in an opposite direction are pressed into an appropriate distance by a plurality-plural number of press-clips-with an appropriate space.

- 9. (Currently Amended) A vacuum thermal insulating valve as claimed in Claim 1. wherein a is so made that the height of anthe overlapped part that forms when the upper and lower vacuum jackets are combined with the combination of the upper and lower vacuum jackets which forms athe side wall of the vacuum thermal insulating box and is made to be more than 100mm.
- 10. (Currently Amended) A vacuum thermal insulating valve as claimed in Claim 1. wherein an is so made that the inner wall face of the vacuum thermal insulating spaces of the upper vacuum jacket and lower vacuum jackets undergoes is performed the heat treatment after plating.